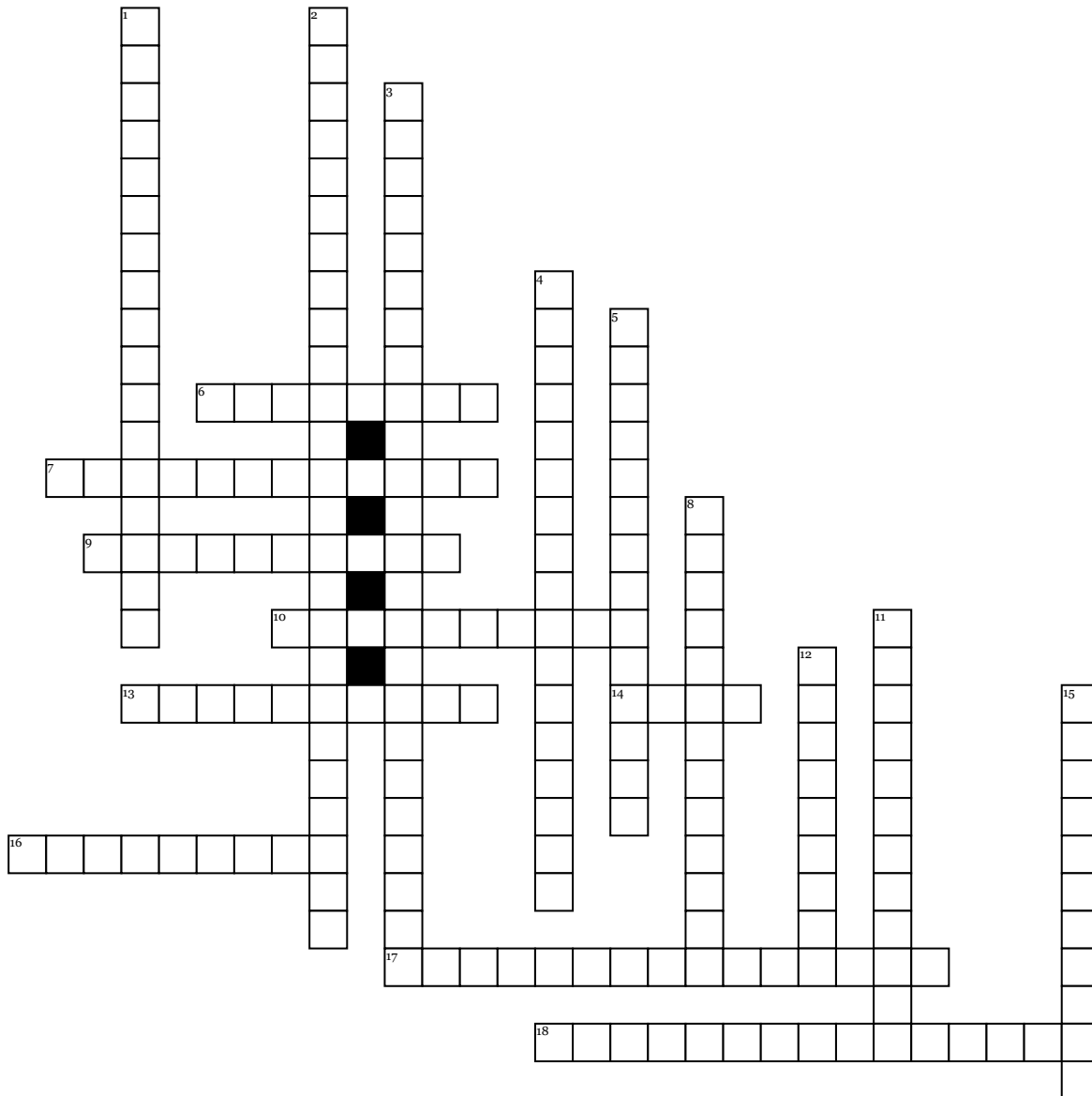


Name: _____

Date: _____

Star Crossword



Across

6. a large star of high luminosity and low surface temperature

7. a star burns through its hydrogen fuel

9. the brightness of a star or the sun

10. a star that no longer emits light or heat

13. a small, dense star at the end of its life cycle, which generates little or no energy and has contracted to its densest state

14. a massive ball of gas in outer space that gives off heat, light, and other forms of radiation

16. a star at the stage in its life cycle when it stops burning hydrogen, begins burning helium, and expands to a large, low-density star

17. a system of nuclear reactions which occur in stars through which the atomic nuclei of all of the chemical elements are formed

18. a large cloud of gas and dust in outer space ejected by an aging star near the end of its life cycle

Down

1. the brightness that a star would have if it were 32.6 light-years from an observer

2. plots stars by temperature and absolute magnitude or luminosity.

3. a form of energy that travels through space and exhibits wave-like behavior

4. the brightness of a star as it appears from Earth, irrespective of its distance

5. two atoms of hydrogen combine together to form an atom of helium

8. a reaction where two or more nuclei of atoms combine to form a single nucleus.

11. helium fusing together

12. a space object with surface gravity great enough that not even light waves can escape it

15. a very dense star composed of neutrons held together by gravity